

PRASLICKA, M.

Contribution to the influence of the narcosis produced by chloroform and ether on the effect of Roentgen-radiation. p. 88

CESKOSLOVENSKA BIOLOGIE, Vol. 4, No. 3, Feb. 1955

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

PRASLICKA, H.

Praslicka, H. Modification of the effect of X-rays on rice irradiated under ether anesthesia with a novocaine block of the graft. p. 198. GENETICALLY-SENSITIVE BIOLOGIES. Praha. Vol. 3, no. 4, Aug. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

PRASLICKA, K.

Praslicka, K. Effect of psychoton on X-rayed mice. p. 246. OPOSLOVENSKA
BIOLOGIE. Vol. 3, no. 4, Aug. 1954.

30: Monthly List of East European Accessions, (BEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

Ref. 1521, 60, 71
CZECHOSLOVAKIA/Human and Animal Physiology - Effect of
Physical Factors.

V-15

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4566

Author : M. Praslicka, I. Plesko

Inst : -

Title : Influence of Ethyl Alcohol on the Effect of Radiation
on Rats.

Orig Pub : Ceskosl. biol., 1956, 5, No 1, 51-54

Abstract : Ethanol was used (from 0.4 ml of a 10% solution to 0.4
ml of a 25% solution, intraperitoneally) to protect
white mice (141) against the effects of a single dose
of X-rays (general irradiation, 630 r). Of the mice
which before irradiation received a narcotic dose of
ethyl alcohol (EA) (0.4 ml of a 20-25% solution), 63%
and 71% survived (among controls, respective survivals
of 0 and 19%). EA in doses insufficient to produce
narcosis (0.4 ml of a 10% solution) also produced a

Card 1/2

CZECHOSLOVAKIA/Human and Animal Physiology - Effect of
Physical Factors.

V-15

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4566

protective effect (survival of 45%). EA administered
after irradiation was ineffective. The protective effect
of EA is explained by its oxidative properties and by
the fact that it produces hypoxia in the tissues.

Card 2/2

PRASLICKA, M.
Praslicka, M.

Contribution to the influence of the narcosis produced by chloroform and ether
on the effect of Roentgen-radiation. p. 88.

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

PRASLICKA, M.

Variability of the effect of roentgen rays in mice in ether anesthesia and following procaine block of gonads. Chekh. biol. 3 no.4:203-212 Oct 54.

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta v Brno.

- (TESTES, effect of radiations on,
 - x-rays, eff. of anesth. & procaine nerve block in mice)
- (ROENTGEN RAYS, effects,
 - on testes, eff. of anesth. & procaine nerve block in mice)
- (ANESTHESIA, REGIONAL,
 - procaine nerve block, eff. on testicular reaction to x-ray in mice)
- (PROCAINE, effects,
 - on testicular reaction to x-ray in mice, nerve block)
- (ANESTHESIA, effects,
 - on testicular reaction to x-ray in mice)

PRASLICKA - M.

✓ Effect of alcohol on the action of radiation on mice. M. Praslíčka and I. Pleško (Univ. Brno, Czech.). *Folia Biol.* 2, 121-3(1958)(in Russian); cf. Cole, *et al.*, *C.A.* 47, 657b.—X-irradiation of mice at 630- and 660-r. dosages is combined with preadministration of EtOH (0.4 ml. 20% EtOH before radiation). The use of EtOH before the irradiation (10 min.) gives a considerable protective action against radiation sickness, as shown by lower mortality and less rapid decline in wt. Postradiational use of EtOH has no protective effect. The protective action can be explained by the consumption of O of oxidizing radicals, conditioned by a possible activation of catalase by EtOH.

G. M. Kosolapoff

2

PRASLICKA, Milan, doc.dr., CSc.

Mice liver catalase activity after X-irradiation. Sborn. ved.
prac.lek.fak.Karlov.Univ.(Hrad.Kral.) 6 no.1:115-118 '63.

1. Head of the Institute of Biology, Medical Faculty, Safarik
University, Kosice.

*

PRASLICKA, Milan

Effect of chloroform and ether anesthesia on response to roentgen irradiation. Cesk. biol. 4 no.2:88-97 Feb 55.

1. Ustav pro obecnu biologii lekarske fakulty university v Brne.
(ROENTGEN RAYS, effects,
responses in chloroform & ether anesth.)
(ANESTHESIA, effects,
on x-ray sensitivity in animals)

Country : CZECHOSLOVAKIA

T

Category: Human and Animal Physiology. Action of Physical Factors. Ionizing Radiation.

Abs Jour: RZhBiol., No 19, 1958, 89366

Author : Hill, M.; Praslika, M.

Inst : -

Title : Early Cytological Changes of the Lymphatic and Myeloid Tissues of the Spleen of the Mouse Following Irradiation.

Orig Pub: Ceskosl. Biol., 1957, 6, No 1, 6-15.

Abstract: Within 1-30 hours following a single general irradiation of mice (104) with 550 r a series of degenerative changes was observed: fragmentation of the lymphocytes in the follicles and of the erythroblasts in the red pulp, karyorrhexis of the eosinophiles and

Card : 1/2

T-141

Country : CZECHOSLOVAKIA
Category: Human and Animal Physiology. Action of
Physical Factors. Ionizing Radiation.

T

Abs Jour: RZhBiol., N 19, 1958, 89366

extracellular phagocytosis of cellular fragments,
and also regenerative processes; tides of granulopoiesis,
differentiation of reticular cells into hemocytoblasts.
Among the animals irradiated with a similar dose, two
groups were noted, in which the processes of fragmen-
tation of the lymphocytes and of regeneration occurred
at various intervals in the course of the first 30
hours. It is the opinion of the author that the develop-
ment of the cytological shifts in the spleen depends
upon the neuro-hormonal regulation of the organism. --
L. F. Semchenov

Card : 2/2

L 13311-66 EWT(m)

ACC NR: AP6006014

SOURCE CODE: CZ/0053/65/014/004/0278/0278

AUTHOR: Chlebovsky, O.; Praslicka, M.; Horak, J.

ORG: Institute of Biology PF UPJS, Kosice (Biologicky ustav PF UPJS); Department of Radiobiology, UEB SAV, Kosice (Radiobiol. odd. UEB SAV)

TITLE: Effect of chronic irradiation ^{19,44,55} on the mitotic activity and finding of chromosomal aberrations in the bone marrow of rats [This paper was presented during Biophysical Days, Brno, 11 Jun 64.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 278

TOPIC TAGS: animal genetics, bone marrow, rat, radiation biologic effect, mitosis

ABSTRACT: Study of the effect of small (0.5, 1, 2.5, 5, or 10 r) daily irradiation doses on the mitotic index. Latter was less of a reliable criterion of irradiation damage than was the ration of individual mitotic phases. Some adaptation mechanisms seemed to operate to slow down, then even reverse changes after some weeks of irradiation. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1

L 13465-66 EWT(1)/FS(v)-3 SCTB DD

ACC NR: AP6006022

SOURCE CODE: CZ/0053/65/014/004/0282/0282

AUTHOR: Marko, L.; Praslicka, M.

ORG: Institute of Biology PF Safarijk University, Kosice (Biologicky ustav PF UPJS)

TITLE: Effect of interrupted hypothermia² on survival and hematologic changes in mice after irradiation [This paper was presented during Biophysical Days, Brno, 11 Jun 64.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 282

TOPIC TAGS: mouse, radiation biologic effect, hematopoiesis, hypothermia, hematology

ABSTRACT: Male mice receiving 610 r were kept at atmospheric pressure 260 mm Hg for 12 hours daily for 1-6 days, starting 1 hour after irradiation; this prolonged survival from 0 at day 15 to 24% at day 30 also decreased the adverse effect of radiation on leukopoiesis and leukocyte levels. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002

Card 1/1 DR

PRASLOV, N.D.

Paleolithic monuments of the lower Don and the northeastern
region of the Sea of Azov and their stratigraphic significance.
Biul. Kom. chetv. per. no.29:51-66 '64. (MIRA 17:8)

VAYKUTITE, A.Yu. [Vaikutyte, A.]; PRASMITSKAS, L.A. [Prasmickas, L.]

Study of the possibility of using spent sulfite liquor for the production of molding powders. Part 2: Determination of the effect of the content of concentrates of spent sulfite liquor on the properties of molding powders. Trudy AN Lit. SSR. Ser.B no.1:51-55 '65. (MIRA 18:7)

1. Institutu khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

PRASO, Ranka

Results of the treatment of pulmonary tuberculosis in adolescence.
Tuberkuloza 16 no.5:438-441 S-D '64

1. Institut za tuberkulozu SR Srbije, Beograd (Direktor: prof. dr.
Milic Grujic).

POPOVIC, J.; PESIC, V.; DAVIDOVIC, C.; BJEGOVIC, M.; JOVANOVIĆ, M.;
PRASO, R.

Clinical significance of primary resistance to tuberculostatic
drugs. Tuberkuloza 15 no.2:245-249 Ap-Je '63.

1. Institut za tuberkulozu NRS, Beograd - Direktor: prof. dr
Milic Grujic.

(STREPTOMYCIN) (ISONIAZID)
(AMINOSALICYLIC ACID)
(TUBERCULOSIS, PULMONARY)
(DRUG RESISTANCE, MICROBIAL)

S

L 36806-66 T JK

ACC NR: AP6027848

SOURCE CODE: YU/0015/65/000/010/0286/0287

AUTHOR: Popovic, Julka (Professor; Doctor); Praso, Ranko (Doctor)
 Org: Institute for Tuberculosis of the Socialist Republic of Serbia/headed by
 Professor, Doctor M. Grujic/, (Institut za tuberkulozu SR Srbije)

TITLE: Influenza⁰ and tuberculosis ²²

SOURCE: Medicinski glasnik, no. 10, 1965, 286-287

TOPIC TAGS: disease incidence, tuberculosis, respiratory system disease

ABSTRACT: Of 45 patients in a tuberculosis sanitarium, 16 contracted influenza during a localized epidemic in March 1964; it was mild in all except 1 patient; no adverse sequelae in any of the 16; still the authors suggest that all patients with tuberculosis be vaccinated against influenza. [JPRS: 36,592]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 009

Card 1/1 af

0911

1360

POPOVIC, Julka; DAVIDOVIC, Cedica; PRASO, Ranka

Clinical significance of the laboratory resistance to tuberculostatic agents. Tuberkuloza no.1:26-31 '62.

1. Institut za tuberkulozu NR Srbije, (direktor: prof. dr M. Grujic).
(DRUG RESISTANCE MICROBIAL) (ANTITUBULAR AGENTS)

LIVANOV, Aleksandr Pavlovich; POSHELOV, Yuriy Andreyevich; SOFRONOV, Aleksandr Vladimirovich; PRASOLOV, B.A., red.; PLESKE, Ye.F., red. izd-va; AKOFOVA, V.M., tekhn. red.

[Organization of fuel and lubrication service at logging camps] Organizatsiia goriuche-smazochного khoziaistva v les-promkhozakh. Moskva, Goslesbumizdat, 1963. 199 p.

(MIRA 16:12)

(Motor fuels) (Lubrication and lubricants)

MOROZOV, L.A., inzh.; PRASOLOV, B.A., inzh.; CHISTYAKOV, Yu.V.,
inzh.; FERBERG, B.S., red.; STREMOUSOV, V.N., tekhn. red.

[Album of fixtures and tools for the assembly and disas-
sembly of the "Stalinets-80" tractor] Al'bom prisposoblenii
i instrumenta dlia sborki i razborki traktora "Stalinets-80."
Moskva, Goslesbumizdat, 1951. 86 p. (MIRA 16:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhani-
zatsii i energetiki lesozagotovk.
(Tractors--Maintenance and repair)

GORBACHEVSKIY, Viktor Andreyevich; GAL'PERIN, Zinoviy Samoylovich
Gal'perin; KLYCHKOV, Pavel Dmitriyevich; LAKH, Yevgeniy
Ivanovich; LEKSAU, Igor' Nikolayevich; PRASOLOV, Boris
Aleksandrovich; RYZHKOV, Aleksey Nikolayevich; SUKHARNIKOV,
Iosip Osipovich; SHESTAKOV, Boris Aleksandrovich; ALPATSKIY,
I.V., red.; PLESKO, Ye.P., red.izd-va; GRECHISHCHEVA, V.I.,
tekhn. red.

[Utilization of logging truck transportation] Ekspluata-
tsiia lesovoznogo avtomobil'nogo transporta. [By] V.A.
Gorbachevskii i dr. Moskva, Goslesbumizdat, 1962. 296 p.
(MIRA 16:5)

(Lumber--Transportation) (Tractor trains)

L 24139-65 EPF(c)/EPR/EWT(m)/T Pr-4/Ps-4 DJ
 ACCESSION NR: AP5003529

S/0122/65/000/001/0017/0021

AUTHOR: Prasolov, B. V. (Engineer)

TITLE: Lubricant supply pressure and possible improvements in friction bearing operation

SOURCE: Vestnik mashinostroyeniya, no. 1, 1965, 17-21

TOPIC TAGS: friction bearing, lubricant viscosity, lubricating oil, dynamometer, shaft / KVT6 potentiometer, DS dynamometer, DP 11 diesel oil

ABSTRACT: The possibility of improving the running of friction bearings by controlling the lubricant supply under a pressure to insure the presence of a maximum lubricant film in a given operating regime is discussed experimentally. The following parameters are considered: shaft r.p.m., bearing load, lubricant supply pressure P_m , and the lubricant viscosity. The bearing loads were measured by a type DS dynamometer with an indicator displacement sensitivity of 0.0002 mm. The minimum lubricant thickness h_{min} was estimated from the radial clearance δ and bearing displacement "a" (from dynamometer indicator) according to the expression

Card 1/2

L 24139-65

ACCESSION NR: AP5003529

$$h_{min} = s \left(1 - \sqrt{1 - \frac{a}{b}} \right)$$

with an accuracy of $\pm 0.5\mu$. A type DP-11 diesel oil lubricant was used with known viscosity-temperature characteristics. Both h_{min} and Δt versus P_m curves showed corresponding maxima which shifted in the direction of higher supply pressures as the shaft r.p.m. was increased. On the other hand, P_m versus shaft r.p.m. n curves were almost linear beyond $n = 400$ r.p.m. and exhibited decreasing slopes with decreasing lubricant viscosity. Finally, lubricant supply rate Q (liters/min) versus P_m curves showed a linear behavior for a given shaft r.p.m., all of which intersected at one point corresponding to $P_m \approx 7 \text{ kg/cm}^2$ and $Q \approx 1.3$ liters/min. For a given bearing load, this point is called the stable pumping point, and it is shown to depend primarily on the bearing load. Orig. art. has: 6 figures and 3 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: FR

NO REF SOV: 005

OTHER: 000

Card 2/2

PLESHIVTSEV, G.A.; PRASOLOV, E.M.

Grid and nomogram for computing uranium, thorium, and potassium
content in rocks by the method of relative intensities in
aerogamma-spectrometric surveying. Vop. rud. geofiz. no.5:
154-158 '65. (MIRA 18:9)

PERMINOV, A.Ye.; ROMANOV, A.A.; MIZEROV, A.V.; TSYBA, M.M.;
ZHELUDKOV, A.S.; NEKRASOV, V.V.; PRASOLOV, M.I.;
BARTENEV, S.H.; BELYAYEVA, T.P.; ZHERDEV, P.A.;
KOYVUNEN, T.M.; SMORODOV, P.V., redaktor; POD'YEL'SKAYA,
K.M., tekhn. red.

[Manual for a Karelian field crop grower] Spravochnik
karel'skogo polevoda. Petrozavodsk, Karel'skoe knizhnoe
izd-vo, 1962. 435 p. (MIRA 17:3)

FRASOLOV, P.F., inzh.

Calculating the carrying capacity of bearings with plastic
balls. Vest. mashinostr. 43 no.10:43-44 0 '63. (MIRA 16:11)

PRASOLOV, P.F.

Contact strength of plastic materials under impact load. Zav.lab.
29 no. 4:479-481 '63. (MIRA 16:5)

1. 1-y Gosudarstvennyy podshipnikovyy zavod.
(Plastics—Testing)

PRASOLOV, P.F., aspirant

Investigating the fatigue strenght of plastic balls for
antifriction bearings. Izv.vys.ucheb.zav.; mashinostr.
no.8:89-97 '62. (MIRA 15:12)
(Plastic bearings—Testing)

S/122/63/000/002/007/012
D262/D308

AUTHORS: Turovskiy, E. M., Engineer, and Prasolov, P. F.,
Engineer

TITLE: Initial elastic-plastic deformations at contact load-
ing of plastic materials

PERIODICAL: Vestnik mashinostroyeniya, no. 2, 1963, 45-48

TEXT: In order to determine the effect of loading on residual de-
formations, balls of 25.4 mm dia made of various plastic materials
and located between two flat surfaces are subjected to various
loads, deformations measured, and permissible loads calculated,
taking into account the permissible residual deformations obtained
from the tests. The empirical formulas for mean compression stres-
ses for various plastics are given and their applications to balls
of various sizes and for curved loading surfaces are explained.
The application of the Hertz-Belyayev theory for calculation of
mean compression stresses in plastic materials is discussed. There
are 4 figures and 3 tables.

Card 1/1

I. 48584-65 EWT(m)/EPF(c)/EWP(j) Pch/Pr-4 RM

ACCESSION NR: AR5005880

S/0081/64/000/023/S064/S064

SOURCE: Ref. zh. Khimiya, Abs. 23S381

AUTHOR: Prasolov, P. F.

TITLE: Fatigue failure of plastics under contact loading

CITED SOURCE: Sb. Primeneniye plast. mass v mashinostr. i priborostr. Minsk, 1964, 112-116

TOPIC TAGS: fatigue strength, plastic strength, plastic mechanical property, contact loading, plastic rolling, plastic friction, epoxide resin, polyamide resin, polyformaldehyde resin, melamine resin, resin filler, fiberglass, cellulose

TRANSLATION: Various tests were carried out in order to study the contact strength of plastics: static and dynamic initial elastic-plastic deformations, friction, rolling, fatigue strength without rolling and fatigue strength with rolling under a load. More than 20 types of polymers were studied, based on epoxide, polyamide-epoxide, melamine, melamine-formaldehyde and polyformaldehyde resins with various fillers (sulfocellulose, twisted fiberglass, cotton waste, CSRF, sawdust, etc.). Balls containing fiberglass had the shortest lifetime of

21
B

L 48584-65

ACCESSION NR: AR5005880

all the brands of construction plastic tested. Compositions with polyamide components heated up sharply, the material decomposed and the ball cracked. Materials, the failure of which was characterized by fatigue crumbling, had the longest lifetimes and can be used for the manufacture of parts working under conditions of contact loading. The longest lifetimes were shown by samples of melamine fiber and polyformaldehyde. From the summary

SUB CODE: MT, IE

ENCL: 00

Card 2/2

TUROVSKIY, E.M., inzh.; PRASOLOV, P.F., inzh.

Initial elastoplastic deformations caused by contact loading
of plastics. Vest.mashinostr. 43 no.2:45-48 F '63. (MIRA 16:3)
(Plastics)
(Deformations (Mechanics))

S/032/63/029/004/011/016
A004/A127

AUTHOR: Prasolov, P.F.

TITLE: On the contact strength of plastics under impact loads

PERIODICAL: Zavodskaya laboratoriya, no. 4, 1963, 479 - 481

TEXT: Impact compression tests of plastic balls, recording the forces of impact and deformation of compression, were aimed at experimentally determining the magnitudes of breaking loads and a number of other parameters characterizing the limit resistance of plastic materials. Balls of the following materials were tested: П-6 (P-6) on a melamine-formaldehyde resin base with a cotton cellulose filler, П-7 (P-7) on a phenol-formaldehyde resin base with synthetic caoutchouc and wood powder filler, and П-9 (P-9) on a polyformaldehyde resin base without filler. The author gives a description of the tests and presents the test results which reveal that the magnitude of impact breaking loads of the plastic balls differs only a little from the static ones, while the breaking strain under impact loads decreases by 10 - 20% in comparison with static strain. The dynamic strength of the

Card 1/2

On the contact strength of ...

S/032/63/029/004/011/016
A004/A127

ball material increases by 20 - 40% in evaluating σ_{sh} . There are 3 figures and 1 table.

ASSOCIATION: 1-y Gosudarstvenny podshipnikovyy zavod (1st State Bearing Plant)

Card 2/2

PRASOLOV, R.S.; SERGEYEV, O.A.

On G.N. Dul'nev's monograph "Heat transfer in electronic apparatus."
Inzh.-fiz. zhur. 7 no.2:125-126 F '64. (MIRA 17:2)

1. Severo-zapadnyy zaochnyy politekhnicheskiiy institut, Leningrad.

ACC NR: AP7007066

SOURCE CODE: UR/0187/66/000/011/0065/0068

AUTHOR: Prasolov, R. S.

ORG: Northwest Correspondence Polytechnical Institute (Severo-zapadnyy zaochnyy politekhnicheskiy institut)

TITLE: Television course in physics for higher education institutions

SOURCE: Tekhnika kino i televideniye, no. 11, 1966, 65-68

TOPIC TAGS: education, physics, TV broadcasting

ABSTRACT: A television course in physics has been experimentally developed and tested as a cooperative venture by the Chair of Physics of the Northwestern Correspondence Polytechnical Institute, the Inter-VUZ Methodological Commission on Physics and the Leningrad Television Studio. The subject covered by the course was "physical principles of mechanics, molecular physics and thermodynamics." A cycle of thematic consultations for students in the section on electricity and magnetism was also included. The experience in preparation and the first experimental transmissions of the television physics course indicate that it is very effective and has great promise. Improvement in the quality and effectiveness of the course will require performance of special scientific investigations, as well as unification of the lesson plans and

UDC: 621.397:371

Card 1/2

ACC NR: AP7007066

conservation of transmission time, to provide a wide audience.
The authors consider it necessary to create a single common
national center for educational television to present the required
material and technical basis and coordination of work in this
area. Orig. art. has: 3 figures. [JPRS: 39,577]

SUB CODE: 05, 20, 17

Card 2/2

S/146/62/005/003/012/014
D234/D308

AUTHOR: Prasolov, R.S.
TITLE: Methods of determining the surface temperature,
degree of blackness and thermal conductivity of
weak and thin coatings
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priboro-
stroeniye, v. 5, no. 5, 1962, 122-131
TEXT: The author gives a detailed description of experi-
mental techniques (radiation-convective, radiation-conductive and
radiational methods) and the results of experimental research on
the surface temperature, degree of blackness and thermal conductivity
of thin ash deposits formed on screen pipes of steam boiler furnaces.
The experimental part of the investigation was carried out at the
Tsentral'nyy kotloturbinnyy institut im. Polzunova (Central Insti-
tute of Boilers and Turbines im. Polzunov). The data are analyzed
and it is concluded that the radiation-conductive method is the most
appropriate for laboratory work. There are 4 figures.

Card 1/2

Methods of determining the surface ... S/146/62/005/003/012/014
D234/D308

ASSOCIATION: Severo-zapadnyy zaachnyy politekhnicheskii institut
(North-West Polytechnic Correspondence Institute)

SUBMITTED: November 25, 1961

Card 2/2

PRASOLOV, R. S.

Materials with ultralow heat conductivity, and calculation of the heat conduction and viscosity of gases in fine-pore materials and in a rarefied state. Teplo- i massoper, 1: 213-217 '62. (MIRA 16:1)

1. TSentral'nyy kotloturbinnyy institut im. Polzunova.

(Gases—Thermal properties)
(Heat—Conduction)
(Viscosity)

PRASOLOV, R.S.

Viscosity of gases in a transient vacuum. Izv. vys. ucheb. zav.; prib.
6 no.1:142-149 '63. (MIRA 16:2)

1. Severo-zapadnyy zaochnyy politekhnicheskii institut. Rekomendovana
kafedroy fiziki. (Viscosity) (Vacuum)

S/862/62/001/000/012/012
E032/E514

AUTHOR: Prasolov, R.S.

TITLE: Materials with ultra-low thermal conductivity and calculation of thermal conductivity and viscosity of gases in materials with fine porosities and during expansion

SOURCE: Teplo - i massopereenos. t.1: Teplofizicheskiye kharakteristiki materialov i metody ikh opredeleniya. Ed. by A. V. Lykov and B. M. Smol'skiy. Minsk, Izd-vo AN BSSR, 1962, 213-217

TEXT: The problem considered is that of a gas between two infinite parallel plates at a distance $y = \delta$ from each other. One of the plates is fixed and the other moves with a uniform velocity v . It is assumed that the mean free path Λ is inversely proportional to the pressure p and is comparable with δ , which corresponds to the intermediate pressure region $\Lambda \approx \delta$ ($p \approx 0.1 - 0.001$ mm Hg when $\delta \gg 1$ mm, or 1 atm when $\delta < 1 \mu$). It is shown that the effective (measured) viscosity coefficient η_3 is given by

Card 1/3

Materials with ultra-low ...

S/862/62/001/000/012/012
EO32/E514

$$\frac{\eta_2}{\eta} = \left[1 + 1.066 \frac{k}{k+1} \text{Pr} \left(\frac{2 - a_1}{a_1} + \frac{2 - a_2}{a_2} \right) \text{Kn} \right]^{-1} \quad (8)$$

where η is the internal friction (viscosity) coefficient for $\Delta \ll \delta$, ξ is the coefficient of slip, k is the ratio of specific heats at constant pressure and constant volume, Pr is the Prandtl number, a_1, a_2 are the accommodation coefficients of the two plates and $\text{Kn} = \Delta/\delta$. Special cases of the above equation are then considered, e.g. when $\Delta \gg \delta$, $\text{Kn} \gg 1$ (high vacuum), the unity in the formula may be neglected in comparison with the remainder of the expression. Comparison of experimental data for neon, helium and hydrogen (A.K. Timiryazev. Vremennik russkogo fiziko-khimicheskogo obshchestva im. Kh.S. Ledentsova, prilozheniye No.1, Moscow, 1914; Van Itterbeek A., Keesom W. H. Physica, 5, 257, 1938) with calculations based on the above formula showed that satisfactory agreement could be achieved if $a_1 = a_2 = 0.95$. It is suggested that the above relation may, therefore, be suitable for approximate calculations of viscosity, but for an accurate verification further experimental studies will be necessary, including

Card 2/3

Materials with ultra-low ...

S/862/62/001/000/012/012
E032/E514

separate determinations of viscosity and accommodation coefficients.
There is 1 figure.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut im. Polzunova
(Central Boiler and Turbine Institute imeni
Polzunov)

Card 3/3

PRASOLOV, R. S.

"Dynamics of deposition of volatile sols on the extreme heating surfaces in industrial furnaces."

Report presented at the 1st All-Union Conference on Heat- and Mass- Exchange, Minsk, BSSR, 5-9 June 1961

PRASOLOV, R. S.

"Materials with superhigh thermal conductivity and the estimation of thermal conductivity and viscosity of gases in fine-porous materials and during evacuation."

Report presented at the 1st All-Union Conference on Heat- and Mass- Exchange, Minsk, BSSR, 5-9 June 1961

PRASOLOV, R.S.

Methods for determining the surface temperature, the degree
of blackness and heat conductivity of unstable and thin layers.
Izv.vys.ucheb.zav.; prib. 5 no.3:122-131 '62. (MIRA 15:8)

1. Severo-zapadnyy zaachnyy politekhnicheskiiy institut.
Rekomendovana kafedroy fiziki.
(Ash (Technology)--Thermal properties)

32971
S/146/61/004/006/017/020
D221/D301

26.5100

AUTHOR:

Prasolov, R. S.

TITLE:

Generalization of the heat conductivity equation
for gases

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Priborostro-
yeniye, v. 4, no. 6, 1961, 132-139

TEXT: The purpose of the paper is to obtain an explicit relation between the effective coefficient of heat conductivity of a gas, λ_e , and the main characteristics of the gas and the heat exchange surface. The author considers the heat conductivity of a gas situated between two parallel plates of infinite length, the distance δ between them being commensurate with the mean free path Λ of the molecules of the gas, and sufficiently small for preventing natural convection. The plate temperatures are T_1 and T_2 . As $\Lambda \approx \delta$, it is necessary to take into account the Smolukhovskiy effect (presence of temperature discontinuity at the plates), and to take

Card 1/5

X

32971

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Generalization of the ...

Fourier law in the form $q = \lambda_0 \cdot \frac{(T_1 - T_2)}{(\delta + l_1 + l_2)}$, where λ_0 is the coefficient of molecular heat conductivity of gas when $\Lambda \ll \delta$ ($Kn \rightarrow 0$); l_1 and l_2 are the coefficients of temperature discontinuity. The latter are determined from an equation of the molecular kinetic theory,

$$l = \frac{2 - a}{a} \cdot \frac{1,996 \frac{c_p}{c_v}}{\left(\frac{c_p}{c_v} + 1\right)} \cdot Pr. \quad (4)$$

(a is the accommodation coefficient). From here

Card 2/5

X

32971

Generalization of the ...

S/146/61/004/006/017/020
D221/D301

$$\lambda_e = \frac{\lambda_0}{1 + \frac{1,996 \frac{c_p}{c_v}}{\left(\frac{c_p}{c_v} + 1\right)} \Pr \left(\frac{2 - a_1}{a_1} + \frac{2 - a_2}{a_2} \right) Kn} \quad (5)$$

In the case $Kn \rightarrow 0$ (low pressure and low vacuum), λ_e represents the coefficient of molecular heat conductivity λ_0 , given by Maxwell's equation $\lambda_0 = A \rho \frac{\bar{W} \Lambda}{3} \cdot \frac{C_v}{M}$, where ρ is the density of the gas; $\bar{W}$ is the mean velocity of thermal motion of gas molecules; C_v is the isochoric molecular heat capacity of the gas; M is the molecular weight of the gas and A is a correction factor. In the case where $Kn \rightarrow \infty$ (high vacuum)

Card 3/5

X

Generalization of the ...

32971
S/146/61/004/006/017/020
D221/D301

$$\lambda_e = \frac{\lambda_0}{\frac{1,996 \frac{c_p}{c_v}}{\left(\frac{c_p}{c_v} + 1\right)} \Pr \left(\frac{2 - a_1}{a_1} + \frac{2 - a_2}{a_2} \right) \text{Kn}} \quad (7)$$

is obtained. This is found to be identical with well-known equations for high vacuum. To prove it, the author transforms (7) with the aid of formulae of kinetic gas theory into equations which differ from the well-known relations by numerical factors. A table of these factors is given. It is remarked that if the known equations are reduced to a single form, the results also differ from one another by numerical factors. The author states that only two papers with sufficiently accurate experimental data on low and intermediate vacuum are known to him. The dependences corresponding to Eq. (5) are compared with experimental results on two graphs and the

Card 4/5

Generalization of the ...

32971
S/146/61/004/006/017/020
D221/D301

agreement is found to be good. This article was recommended by the Institute. There are 2 figures, 1 table and 17 references: 15 Soviet-bloc and 2 non-Soviet-bloc. The references to the English language publications read as follows: J. D. Verschoor and P. Greebler, Trans. ASME, 74, 961-968 (1952); R. E. Peck, W. S. Fagan and P. P. Werlein, Trans. ASME, 73, 281-287 (1951).

ASSOCIATION: Tsentralnyy nauchno-issledovatel'skiy i proyektirovko-konstruktorskiy kotloturbinnyy institut im. I. I. Polzunova (Central Scientific Research Design and Planning Boiler and Turbine Institute im. I. I. Polzunov)

SUBMITTED: February 22, 1961

Card 5/5

X

PRASOLOV, R. S. Cond Tech Sci -- "On ash ^{deposits} ~~sediments~~ on the radiation heating
surfaces of boiler-units." Mos, 1960 (Min of Higher and Secondary Specialized
Education RSFSR. Mos Order of Lenin Power Engineering Inst). (KL, 1-61, 196)

-253-

PRASOLOV, R.S.; TEREKHIN, A.D.

Calculating heat and viscosity vacuum gauges and thermocanemeters. Izv. vys. ucheb. zav.; prib. 8 no.5:135-139 '65.
(MIRA 18:10)

1. Severo-zapadnyy zaochnyy politekhnicheskoy institut. Rekomendovana VI Nauchno-tekhnicheskoy konferentsiyey Severo-zapadnogo zaochnogo politekhnicheskogo instituta.

POPOVIC,J.; IABAN,M.; MILETIC,V.; BJEGOVIC,M.; MACANOVIC,J.; PRASO,R.

Results of prolonged therapy with pneumoperitoneum and antibiotics.
Tuberkuloza, Beogr. 11 no.2:204-210 '59.

1. Institut za tuberkulozu NR Srbije, Beograd, direktor: prof. dr
M. Grujic.

(PNEUMOPERITONEUM ARTIFICIAL ther.)

(ANTITUBERCULAR DRUGS ther.)

POPOVIC, J.; MILETIC, V.; BJEGOVIC, M.; MACANOVIC, M.; ILIC, Lj.; PRASO, R.

Our results of the treatment of hematogenous pulmonary tuberculosis with combined hormones and bacteriostatic agents. Tuberkuloza, Beogr. 11 no.2:215-219 '59.

1. Institut za tuberkulozu NR Srbije, Beograd, direktor: prof. dr. Grujic.

(TUBERCULOSIS MILIARY ther.)
(TUBERCULOSIS PULMONARY ther.)
(CORTISONE ther.)
(CORTICOTROPIN ther.)

POPOVIC, Julka, prof., dr.; DAVIDOVIC, Cedica, dr.; PRASO, Ranka, dr.

Clinical significance of laboratory resistance to tuberculostatic drugs. Med. glasn. 15 no.1:9-12 Ja '61.

1. Institut za tuberkulozu NR Srbije u Beogradu (Upravnik: prof. dr M. Grujic).

(ANTITUBERCULAR AGENTS pharmacol)

PROCESSING AND PROPERTIES INDEX																									
COMMON ELEMENTS													METALLURGICAL LITERATURE CLASSIFICATION												
OPEN													CLOSED												
MATERIALS INDEX													PROPERTY INDEX												
Methods for the manufacture of processed cheese. A. Prasok. <i>Alolochno-Mastodel'naya Prom.</i> 6, 15-16 (1938). <i>Chem. Zentr.</i> 1940, I, 3046. — Skim milk (fat content more than 0.08%) is heated to 40-45°, treated with curds (1 part of curds with an acid no. of 300° and 7 to 9 parts of milk not more than 30°), heated gradually with stirring to 50-60°, the whey sepd., the temp. raised to 65-70°, a 1.5-2.0% soln. of NaCl in skim milk and finely ground spice herbs as well as 0.1-0.2% butter color are added and treated in small portions at a time with 1-2 l. of neutralized skim milk (pure NaHCO₃ is used for neutralization up to an acid no. of 18-19°). The lump-free milk is placed in a conical form smeared with butter and with a capacity of 2.5 kg., stored for 10-12 hrs. at 10-13° and in the packing is cooled to 6-8°. The cheese has an acid no. 120-180° and contains in %: 50-55 H₂O and 2.25-3.4 fat. For prepn. of cheese with 12% fat content, 3-3.5% melted butter is added or skim milk with a fat content up to 1.2% is used initially. H. Sturtz													12												

LEKSAU, Igor' Nikolayevich; ARODZERO, Aleksandr Mikhaylovich;
GAL'PERIN, Zinoviy Samoylovich; GORBACHEVSKIY, Viktor
Andreyevich; DARAGAN, Leonid Dmitriyevich; KLYCHKOV,
Pavel Dmitriyevich; LAKH, Yevgeniy Ivanovich; FRASOLOV,
Boris Aleksandrovich; RYZHKOV, Aleksey Nikolayevich;
SUKHARNIKOV, Iosif Osipovich; TURASS, Aleksey Leont'yevich;
DOLGOPOLOV, N.P., red.; KONARDOVA, T.F., red. izd-va;
VDOVINA, V.M., tekhn. red.

[Manual for the lumber truck driver] Spravochnik shofera
lesovoznogo avtomobilia. Moskva, Goslesbumizdat, 1962. 169 p.
(MIRA 15:7)

(Lumber--Transportation)

MOROZOV, L.A.; CHISTYAKOV, Yu.V.; PRASOLOV, B.A.; ZABOIOTSKAYA, N.A.,
KOMOV, S.I., redaktor; KUDRYAVTSEVA, L.K., tekhnicheskiy redaktor.

[Operation of the S-80 tractor] Eksploatatsiia traktora S-80.
Moskva, Goslesbunizdat, 1951. 226 p. (MLRA 8:1)
(Tractors)

PRASOLOV, G.

Starting the second year of the seven-year plan. Avt.transp.
38 no.3:6-8 Mr '60. (MIRA 13:6)

1. Zamestitel' nachal'nika Glavmosavtotransa.
(Moscow--Transportation, Automotive)

PRASOLOV, G.L.

Automotive transportation in the capital. Gor. khoz. Mosk.
34 no.9:12-17 S '60. (MIRA 13:9)

1. Zamestitel' nachal'nika Glavmosavtotransa.
(Moscow--Transportation, Automotive)

PRASOLOV, G.L.

Efficient organization and invention in the economy of the Main
Administration of Motorized Freight Transportation. Gor. khoz.
Mosk. 36 no.3:41-45 Mr '62. (MIRA 15:6)

1. Zamestitel' nachal'nika Glavnogo upravleniya avtomobil'nogo
transporta Moskovskogo gorodskogo Soveta deputatov trudyashchikhsya.
(Moscow--Transportation, Automotive)

PRASOLOV, L.I.

DECEASED 1954

Soil Science

See ILC

ACHARKAN, V.A.; BARS KOV, I.M.; BIRYUKOV, I.S.; BORODINA, L.Ya.; BRENNER, M.M.;
 GORELIK, B.Ye.; GUMEROV, M.N.; ZORKAYA, N.M.; IOYRYSH, A.I.;
 KAYDALOVA, O.N.; KAPUSTIN, Ye.I.; LEBEDEVA, M.A.; LESHKOVTS EV, V.A.;
 LYSENKO, V.P.; MARKIN, A.B.; MIKHAYLOV, N.N.; NEST'YEV, I.V.; NECHAYEV,
 N.V.; NIKOL'SKIY, A.V.; OSTROUKHOV, M.Ya.; PISARZHEVSKIY, O.N.;
 POLUBOYARINOV, M.M.; POPOV, Yu.N.; PRASOLOV, M.A.; POKATAYEV, Yu.N.;
 RIMBERG, A.M.; RYABOV, V.S.; SEMKOV, B.F.; SPERANSKAYA, Ye.A.; TAKOTEV,
 K.F.; TRIFONOVA, G.K.; TROPIMOVA, V.I.; SHAKHNAZAROV, G.Kh.; SHKAREN-
 KOVA, G.P.; SHMERLING, K.G.; EYDEL'MAN, B.I.; MIKAE LYAN, E.A., red.;
 MUKHIN, Yu.A., tekhn.red.

[U.S.S.R. as it is; a popular illustrated handbook] SSSR kak on est';
 populiarnyi illiustrirovannyi spravochnik. Moskva, Gos.izd-vo polit.
 lit-ry, 1959. 462 p. (MIRA 12:2)

(Russia)

PRASOLOV, M., delegat pyatoy obshchezavodskoy konferentsii

Conference at the Kirov Plant. NFO 2 no.3:56-57 Mr '60.

(MIRA 13:6)

1. Nauchno-tekhnicheskoye obshchestvo Kirovskogo zavoda, Leningrad.
(Leningrad—Machinery industry)

FRADOLV, K. A.

Uplotnennaya zagrushka vagonov (Packed contents of railroad cars) Moskva,
Transzheldorizdat, 1953. 112 p. illus., diags., tables.

SO: N/5
755.73
.P9

THE 1950s, 1. A.

1. The 1950s were a period of rapid change in the world. The United States, the Soviet Union, and the rest of the world were all vying for power and influence. The 1950s were a time of great uncertainty and fear.

(1) The 1950s were a time of great uncertainty and fear. The United States, the Soviet Union, and the rest of the world were all vying for power and influence. The 1950s were a time of great uncertainty and fear.

PRASOLOV, M A.

BELINA, T.G.; NOZDRIN, A.A.; PRASOLOV, M.A.; SERGEYEV, S.A., ROGUSKAYA, Ye.F.; SHAVKIN, G.B., inzhener, redaktor; KHITROV, P.A., tekhnicheskii redaktor.

[Experience in closer loading of railroad cars; accounts by young weighers] Opyt uplotnennoi zagruzki vagonov; rasskazy molodykh vesovshchikov. Moskva, Gos. transportnoe zhel.-dor. izd-vo, 1954.
45 p. (MLRA 8:1)

(Railroads--Freight)

PRASOLOV, M. A.

Ratsional'nye metody pogruzki i perevozki uгля na zheleznykh dorogakh. [Efficient methods of loading and transport of coal on railroads]. Moskva, Gos. transp. zhel-dor. izd-vo, 1948. 107 p. illus.

"Literaturnye istochniki": p. [106].

DLC: HE2321.C6P7

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress Reference Department, Washington 1952, Unclassified

PRASOLOV, M.A.

[Compact loading of freight cars] Uplotnennaiia zagruzka vagonov.
Moskva, Transzheldorizdat, 1953. (MLRA 9:3)
(Railroads--Freight) (Loading and unloading)

PRASOLOV, Mikhail Ivanovich; SMORODOV, P., redaktor; POD'YEL'SKAYA, K.,
tekhnicheskii redaktor

[Vegetable gardener's manual] Spravochnik ogorodnika. Petrozavodsk,
Gos. izd-vo Karelo-Finskoi SSR, 1956. 86 p. (MIRA 10:1)
(Vegetable gardening)

BC

SOILS OF THE CRIMMINS NATIONAL FOREST. I. N. ARVOROV-KANANOVY AND L. I. FRANKELSON. (Trans: Dzhambalov, Soil Inst., 1955, 7, 1-200). A. M.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

15000 SYDIZIUM 15000 HLY ONV 000 15000 HLY ONV 000 15000 HLY ONV 000

PRASOLOV, N., elektronekhanik.

Vulcanizer for repairing hose. Muk.-elev. prom. 24 no.1:25
Muk.-elev. prom. 24 no.1:25 Ja '58. (MIRA 11:2)

1. Krylovskiy khlebopriyemnyy punkt.
(Vulcanization)

PRASOLOV, P. S.

"Dynamics of Volatile Ash Deposition on Screen Surfaces of Heating
of Industrial Furnaces."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961

84318

S/170/60/003/009/013/020X
B019/B060

24.5260

1137, 1142, 1155

AUTHOR:

Prasolov, R. S.

TITLE:

The Problem of ²¹Heat Conductivity of Media With Submicroscopic Pores

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 9,
pp. 78-82

TEXT: Results obtained from research work into the thermodynamic properties of porous substances are first discussed. Reference is made to papers by R. Ch. L. Bosvort (Ref. 6), A. V. Lvkov (Ref. 8), and A. F. Chudnovskiy (Ref. 7). The present paper deals with a study of the applicability of Kistler's and Coldwell's hypothesis (Ref. 2) concerning the heat-conduction mechanism in aerogel on fine-disperse deposits. According to the said hypothesis, the heat conductivity of a porous material depends in the main on the heat conductivity of the gas inclosed in the pores. The author makes an estimation of the heat-conduction coefficient in such pores, whose sizes are comparable with the mean free path of air molecules. The heat-conduction coefficient was found to be lower in these

Card 1/2

84318

The Problem of Heat Conductivity of Media
With Submicroscopic Pores

S/170/60/003/009/013/020X
B019/B060

pores than in free air. This result fits experimentally determined heat-conduction coefficients of materials, whose pores have these sizes, and whose heat-conduction coefficients are lower than those of air. M. A. Mikheev and Ye. V. Stashkevich (Ref. 13) are mentioned. There are 2 figures and 15 references: 12 Soviet.

ASSOCIATION: TsKTI im. I. I. Polzunova, g. Leningrad
(TsKTI imeni I. I. Polzunov, Leningrad)

SUBMITTED: March 15, 1960

Card 2/2

MANDEL'SHTAM, B.Ye.; PRASOLOV, S.A.

Automation in the preparation departments of rubber tire
plants. Kauch. i rez. 23 no.7:36-42 J1 '64. (MIRA 17:8)

1. Nauchno-issledovatel'skiy konstruktorsko-tekhnologicheskiy
institut shinnoy promyshlennosti, g. Omsk.

22818

S/170/61/004/005/001/015
B104/B205

11.9200

26.2181

AUTHOR: Prasolov, R. S.

TITLE: Effect of the roughness of a horizontal cylinder on its heat exchange during free convection in air

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 4, no. 5, 1961, 3-7

TEXT: The tests described here were made with tubes having smooth and rough surfaces. The tubes were heated by an internal heater, and were horizontally placed in a chamber filled with air at rest. To obtain regular conditions, the heaters were removed during measurements. The heat was abducted through natural convection and radiation under steady and regular conditions. Measurements were made with steel tubes of the following diameters (outer/inner diameter): 10/6, 21/15, 35/28, 45/41, 57/50, and 76/70 mm. The ratio of length l to diameter d is given by $l/d = 10$ for all tubes. Unworked surfaces showed a roughness of 30-40 microns. Tubes of different roughness were obtained by milling. Pyramids with rhombic bases were milled out. For fine milling, the side length of the bases was $b_2 \cong 1$ mm and the height $h_2 \cong 180$ microns; for

Card 1/4

22818

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Effect of the roughness of a...

coarse milling, the values were $b_3 \approx 2$ mm and $h_3 \approx 360$ microns, respectively. The spacing of the pyramids was 1 and 2 mm, respectively. The rhombic bases had an inclination of about 30° . The coefficient of convective heat exchange was calculated from the difference between the coefficient of total heat exchange and the coefficient of radiative heat exchange. Based on experimental data, the authors, in calculating the coefficient of radiative heat exchange, were able to use blackening degrees of 0.80-0.85, 0.85-0.90 and 0.92-0.95 for three different surfaces. The compilation of experimental results shown in Fig. 1 indicates that the roughness of the surface does not affect the convective heat exchange up to $(GrPr)_{md} \sim 10^5$.

These data are consistent with those published by W. Nunner in VDI-Forschungsheft, 455, 18, 19, 1956 for forced convection. As compared to the heat exchange of a smooth tube, the convective heat exchange of a tube with a rough surface grows in the interval of $(GrPr)_{md} \approx 10^5 - 3 \cdot 10^6$ and then drops to the corresponding values of a smooth tube. The fact that equal values are obtained for free and forced convection proves that the roughness of a surface results in additional turbulence. The vortices disturb

Card 2/4

22818

Effect of the roughness of a...

S/170/61/004/005/001/015
B104/B205

the laminar boundary layer to a lesser or greater extent and depend on the spacing and height of the "turbulizers" (pyramids). On the strength of the results obtained here it is concluded that the maximum of heat exchange is shifted due to an increase in $(GrPr)_{md}$ during transition from a rough to a smooth surface. This is ascribed to the fact that the thickness of the laminar boundary layer grows with an increase in $(GrPr)_{md}$. At greater $(GrPr)_{md}$ values, the finer roughness disturbs more strongly. The roughness possibly results in a change of the ratio of convective to radiative heat exchange. M. A. Mikheyev, O. S. Fedynskiy, and G. Sb. Grass are mentioned. There are 1 figure, 1 table, and 9 references: 8 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: TsKTI im. I. I. Polzunova, g. Leningrad (TsKTI imeni I. I. Polzunov, Leningrad)

SUBMITTED: June 3, 1960

Card 3/4

PRASOLOV, R.S., inzh.; KARASIK, N.Ya., inzh.

Physicochemical properties of the ash deposits on the water
walls in steam boilers operating on pulverized coal. Teploenergetika
8 no.6:64-72 Je '61. (MIRA 14:10)

1. Tsentral'nyy kotloturbinnyy institut.
(Boilers)

PRASOLOV, R.S.

Generalization of the equation of heat conductivity of gases.
Izv.vys.ucheb.zav.; prib. 4 no.6:132-139 '61. (MIRA 14:12)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy
kotloturbinnyy institut imeni I.I. Polzunova.
(Gases--Thermal properties)

PRASOLOV, R. S.

Study of the thermal conductivity of a medium with submicroscopic pores. Inzh.-fiz.zhur. no.9:78-82 S '60. (MIRA 13:9)

1. Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut im. I.I.Polzunova, Leningrad.
(Porous materials--Thermal properties)

GURVICH, A.M., doktor tekhn.nauk, PRASOLOV, R.S., inzh.

Some properties of ash deposits accumulated on water-wall
pipes of boiler furnaces. Teploenergetika 7 no.7:80-86 J1
'60. (MIRA 13:7)

1. Tsentral'nyy kotloturbinnyy institut.
(Boilers--Incrustations)

PRASOLOV, R.S., inzh.; VAYNSHENKER, I.A., inzh.

Heat conduction and fractional composition of ash deposits on
pipes and of laboratory ashes of some fuels. Teploenergetika
7 no.3:80-83 Mr '60. (MIRA 13:5)

1. TSentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut
i Nauchno-issledovatel'skiy instiut mekhanicheskoy obrabotki
poleznykh iskopayemykh.
(Ash (Technology))

PRASOLOV, R.S.

Effect of surface roughness on the heat transfer of a horizontal
cylinder with free convection in air. Inzh.-fiz. zhur. 4
no. 5:3-7 My '61. (MIRA 14:5)

1. TSentral'nyy nauchno-issledovatel'skiy kotleturbinnyy institut
imeni I.I. Polzunova, Leningrad.
(Heat—Transmission)

PRASOLOV, S.A., smenny inzh.

Omsk switchboard. Avtom., telem. i sviaz' 2 no.2:30-31 F '58.
(MIRA 11:1)

1. Omskiy lineyno-apparatnyy zal.
(Omsk--Railroads--Telephone)

FRASOLOV, L.A.

Problems of the operation of automation systems in time factories.
Kauch. i rez. 24 no.4:46-48 Ap '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy konstruktorsko-tekhnologicheskii
Institut shinnoy promyshlennosti, g. Omsk.

PRASOLOV, S.A., smenny inzhener

Switching signaling in generator equipment. Avtom., telem. i sviaz'
2 no.9:22 S '58. (MIRA 11:10)

1. Lineyno-apparatnyy zal Upravleniya Omskoy dorogi.
(Railroads--Signaling)

YAKSHITS, I.A., PRASLOVA, A.I.

Silt

Fergana type of water barrage, and measures against river bed deposits. Gidr. i mel. 4, no. 2, 1952.

MONTHLY LIST OF RUSSIAN ACQUISITIONS, LIBRARY OF CONGRESS, APRIL 1952. UNCLASSIFIED.

SHIKHOMALOVA, N.F. i PRASOLOVA, N. A.

1952. Eksperimental'nye issledovaniya po иммунитету pri trikhinelleze. Razvitie trikhinell pri intensivnom i slabom zarazhenii eksperimental'nykh zhivotnykh. Tr. Gel'mint. Laboratorii AN SSSR, T. VI, str. 52-59.

L 13295-06 EWT(m)/T/EWP(j) RM

ACC NR: AP6000330

SOURCE CODE: UR/0286/65/000/021/0019/0019

INVENTOR: Kuznetsov, Ye. V.; Fayzullina, D. A.; Fayzullin, I. N.; Prasolova, T. N.; Tyurikova, R. P.

ORG: none

TITLE: A method for producing polysulfonates which contain phosphorus. Class 12, No. 175964

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 19

TOPIC TAGS: polymer, organic phosphorus compound, sulfonation, *SULFUR COMPOUND*

ABSTRACT: This Author's Certificate introduces a method for producing polysulfonates which contain phosphorus. New polymers are produced by interacting disulfochlorides with organophosphorus compounds which contain hydroxyl radicals.

SUB CODE: 07/ SUBM DATE: 06Jul62/ ORIG REF: 000/ OTH REF: 000

jw
Card 1/1

UDC: 678.65 : 678.684

3/081/62/000/023/094/120
B101/B166

AUTHORS: Moshchinskaya, N. K., Kislitsyna, Z. G., Ogiy, M. S.,
Mamedov, A. A., Prasolova, V. P.

TITLE: Hydrocarbon resins. Communication 4. Syntheses of oxygen-
containing products and resins of the polyoxyarylene methylene
series starting from some polycyclic hydrocarbons and their
mixtures with toluene

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 679, abstract
23P103 (Nauchn. tr. Dnepropetr. khim.-tekhnol. in-t, no. 12,
part 2, 1961, 229 - 239)

TEXT: Studies were made of the conditions for synthesizing oxygen-
containing condensation products of CH_2O with phenanthrene and fluorene,
and mixed resins (MR) by condensation of CH_2O with a mixture of phenanthrene
and acenaphthene, and anthracene with toluene. The oxygen contents, the
thermal effects of interaction with xylene in the presence of concentrated
 H_2SO_4 (as a characteristic of the MR activity), and the molecular weights
Card 1/2

S/081/62/000/023/094/120
B101/B166

Hydrocarbon resins. ...

for the resulting MR were determined. The conditions for curing the oxygen-containing MR with phenol formaldehyde novolac MR were developed. The products were used for molding powder compositions of the novolac type. Condensation of MR with phenol in the presence of acid catalysts yielded hydrocarbon phenol formaldehyde MR which reacted with urotropin like novolac phenol formaldehyde MR. An additional treatment of the novolac MR with paraform in the presence of alkali yielded resol-type MR which set when heated. Preliminary data are given on the method of producing molding powders and finished products from the resins obtained. For communication, see RZhKhim, 1962, 22P99. [Abstracter's note: Complete translation.]

Card 2/2

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volume in comparing the local variants of the route of railroad
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